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## Observations on the Use of Library Information Systems by Chemical Engineering Undergraduates

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# Do Students Know what's Available through the Library???

Test *your* assumptions now about students' knowledge!

Observations on the Use  
of Library Information  
systems by Chemical  
Engineering  
Undergraduates

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and  
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This poster is on the web at:  
<http://osulibrary.oregonstat.edu/staff/davidsoj/ASEE/>

## Hypotheses:

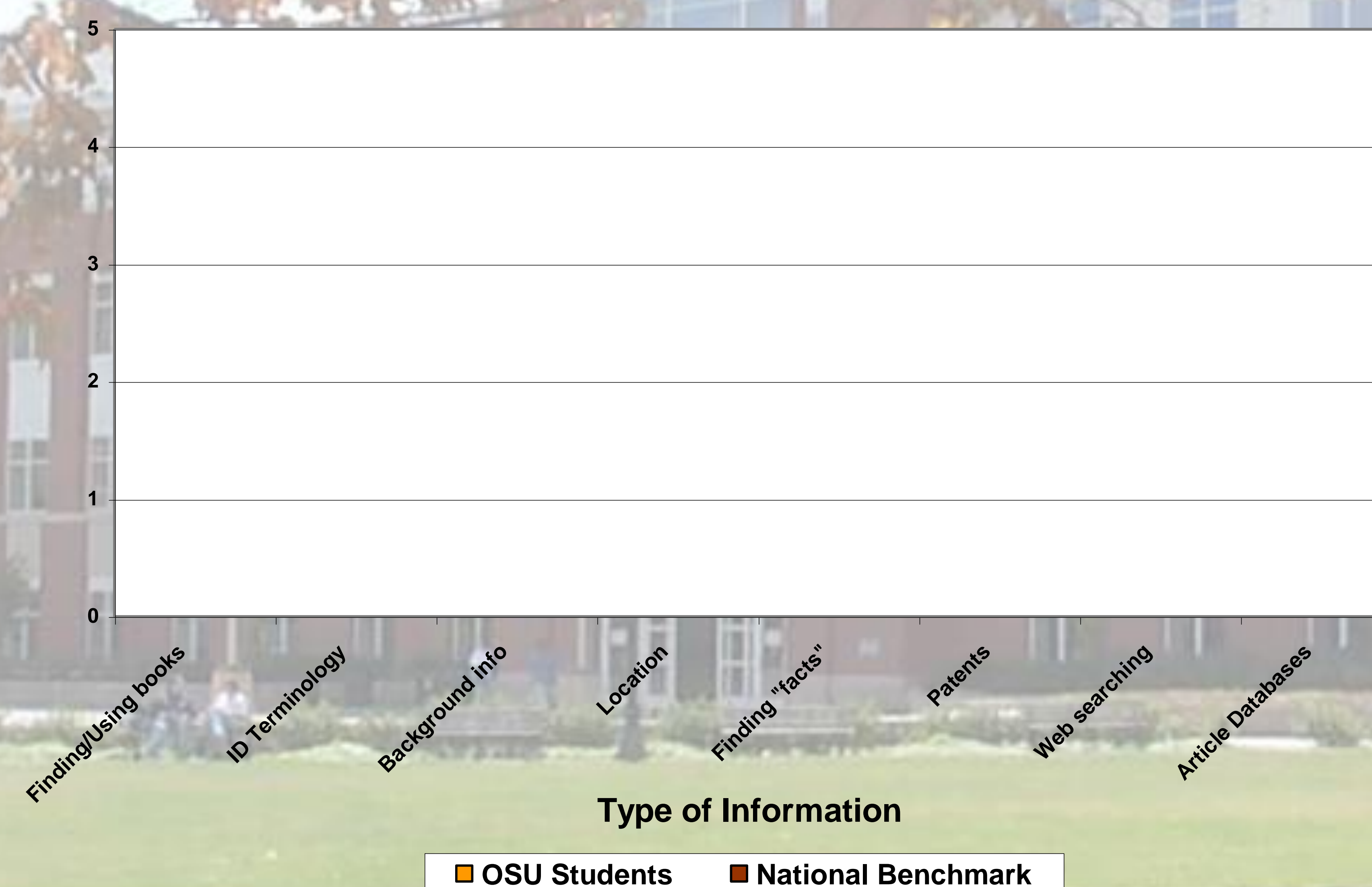
1. Libraries are an untapped resource for students.
2. Students think they know far more about library research than they actually in fact do know.
3. A simple on-line assessment can favorably promote library research capabilities in students.

## Method:

- Paper Survey of OSU ChE students as part of Senior Projects Laboratory (ChE 415) Course preassessment in April 2004
- Web survey based on paper preassessment sent to student AIChE chapters in January 2005 and solicited at AIChE Pacific Northwest Student Conference in April 2005. (Survey Instrument and methodology were approved by OSU's Institutional Review Board on 10/12/04.)
- The scale used here is an ordinal scale. Median is reported as the appropriate statistic for this type of data. (*Introduction to Research in Education*, 6<sup>th</sup> ed., Ary, Jacobs, & Razavieh, 2002, p. 128)

## Student Self-Assessment of Fluency

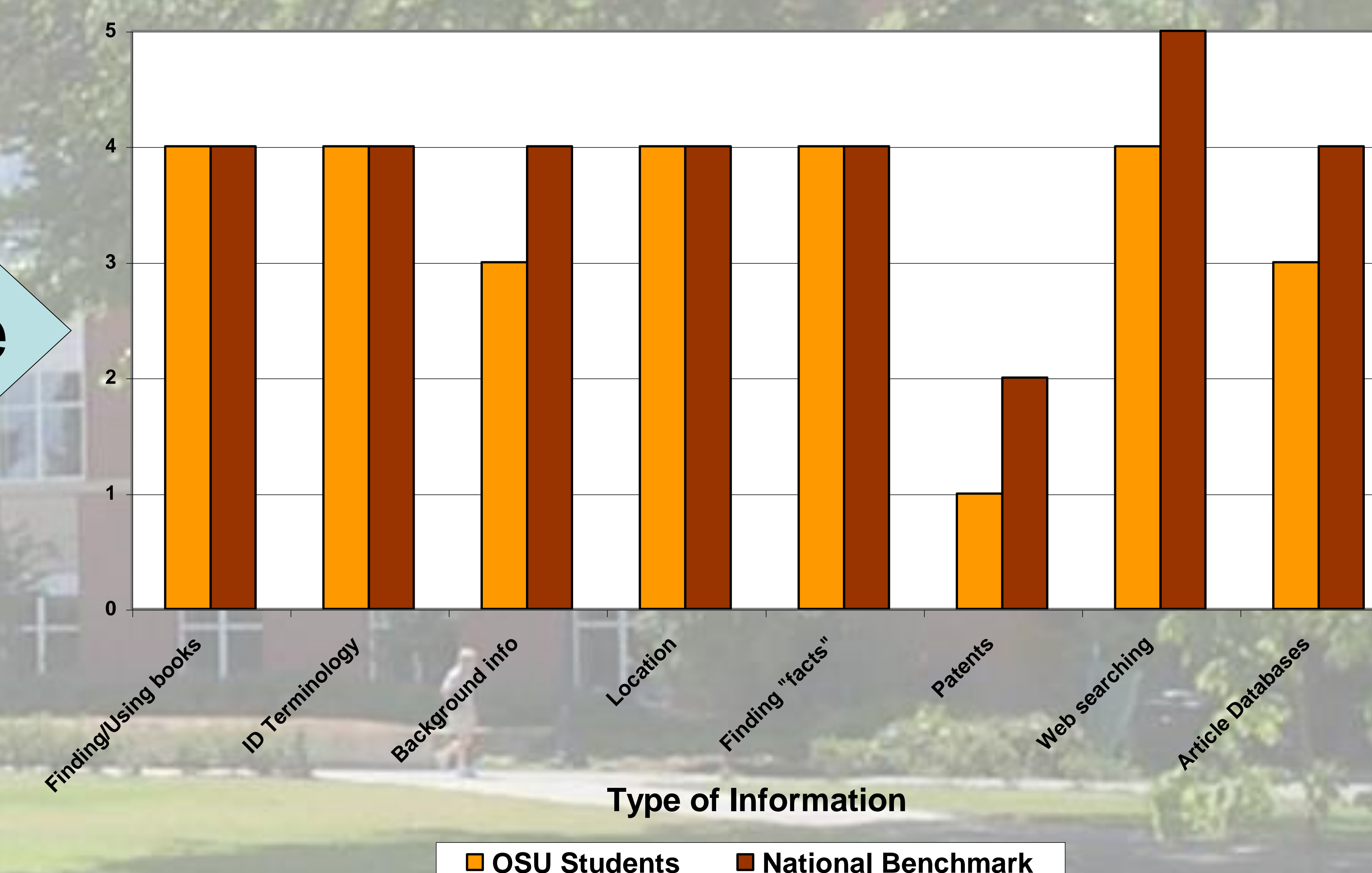
Median 1=No experience; 5=Expert



Compare

## Student Self-Assessment of Fluency

Median 1=No experience; 5=Expert



## Today's Participants



## National Survey Participating Institutions:

Bucknell University	University of Buffalo
California Institute of Technology	University of British Columbia
Carnegie Mellon University	University of California, Berkeley
Colorado State University	University of Notre Dame
Kansas State University	University of New Mexico
Michigan Technological University	University of Idaho
New Mexico Institute of Mines and Technology	University of Southern Alabama
Oregon State University	University of Virginia
Rice University	Washington State University
South Dakota School of Mines and Tech	West Virginia University